CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.13/GSB-II/GR/2017-18

15.05.2017

TEST REPORT ON GRADATION FOR COARSE GRADED GARNULAR SUB BASE

* Customer	:	Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	Technical Manager (West), KRIDL, Bangalore.
* Name of work	:	Improvements of CC Roads in Panchamukhi Ganehsa temple surroundings area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/50/2017-18 Dated: 02.05.2017
* Sample ID	:	Coarse Graded-II
Technical Reference	:	IS : 2720 (Part - 4), MORTH Table : 400-02
Date of Testing	:	15.05.2017

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
53	-	-	-	100	100
26.5	2260	2260	45.20	54.80	50-80
4.75	1550	3810	76.20	23.80	15-35
0.075	770	4580	91.60	8.40	0-10
PAN	420				
Total	5000				

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-2, Grading II

Note:

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Civil-tech Consultants & Engineers
#23/14, 7th Cross 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079.

M-13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ಬಾಸವೇಶ್ವರನಗರ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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Job No.: CTCE/BBMP/KRIDL/W.No.13/GSB-II/AL/2017-18 Date 15.05.2017

TEST REPORT ON ATTERBERG LIMITS FOR GRANULAR SUB BASE

*Customer	:	Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
*Agency	:	Technical Manager (West), KRIDL, Bangalore.
*Name of work	:	Improvements of CC Roads in Panchamukhi Ganehsa temple surroundings area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
*Reference	:	BBMP/EE/DD/WO/50/2017-18 Dated: 02.05.2017
Sample ID	:	GSB- (Coarse graded-II)
Technical Reference	:	IS : 2720 (Part - 5) 1985 (RA-2010), MORTH Table : 400-01
Date of Testing	:	15.05.2017

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit, %	24.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾ[illegible]
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CIVIL-TECH CONSULTANTS AND ENGINEERS

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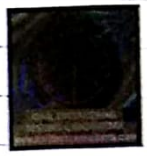
T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/348h/Cube/2017-18 29.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: Technical Manager (West), KRIDL, Bangalore.
* Name of the work	: Improvements of CC Roads in Panchamukhi Ganehsa temple surroundings area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/50/2017-18 Dated: 02.05.2017
* Sample ID	: Dry Lean Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: Dry Lean Concrete
Compressive Strength as on	: 7^{th} day
Sample Received on	: 29.05.2017



Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.05.2017	29.05.2017	8.162	248.3	11.04
2	22.05.2017	29.05.2017	8.235	251.6	11.18
3	22.05.2017	29.05.2017	8.362	235.5	10.47

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/348h/Cube/2017-18 30.05.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: Technical Manager (West), KRIDL, Bangalore.
* Name of the work	: Improvements of CC Roads in Panchamukhi Ganehsa temple surroundings area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/50/2017-18 Dated: 02.05.2017
* Sample ID	: Dry Lean Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: Dry Lean Concrete
Compressive Strength as on	: 7^{th} day
Sample Received on	: 30.05.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.05.2017	30.05.2017	8.162	225.6	10.03
2	23.05.2017	30.05.2017	8.293	239.8	10.66
3	23.05.2017	30.05.2017	8.365	253.2	11.25

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Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-05/348h/Cube/2017-18

01.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: Technical Manager (West), KRIDL, Bangalore.
* Name of the work	: Improvements of CC Roads in Panchamukhi Ganehsa temple surroundings area in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/50/2017-18 Dated: 02.05.2017
* Sample ID	: Dry Lean Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: Dry Lean Concrete
Compressive Strength as on	: 7^{th} day
Sample Received on	: 01.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.05.2017	01.06.2017	8.110	250.2	11.12
2	25.05.2017	01.06.2017	8.293	265.5	11.80
3	25.05.2017	01.06.2017	8.367	278.3	12.37

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